Amendments to the Claims:

1. (Currently amended) A distributed system comprising:

a plurality of cooperative processes running on a plurality of processors of a computer network to accomplish a distributed transaction, each process logging, in a local resource, records of execution of the distributed transaction by the process on its processor; and

a system synchronizer sending a timing message to be logged to the plurality of cooperative processes;

a search engine running on each of the plurality of processors, each search engine retrieving corresponding records of execution in response to a query regarding the distributed transaction,

wherein each search engine generates indices in memory, and a portion of the indices are stored onto a storage medium after a specific time period; and the indices in memory and the portion of the indices stored onto the storage medium are merged subsequently.

2. (Original) A distributed system as in claim 1, wherein the query is issued to the processors as a distributed query.

3. (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing debugging of the distributed system.

4. (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing an audit trail of distributed transactions.

5. (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing monitoring of a manufacturing process.

6. (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing monitoring of a business process.

7. (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing application integration.

8. (Original) A distributed system as in claim 1, wherein the query is issued from a client which merges the results received from search engines responding to the query.

9. (Original) A distributed system as in claim 8, wherein the client applies program rules on the merged results to determine correct operation of the distributed system.

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Currently amended) A method for analyzing a distributed system, comprising:

running a plurality of cooperative processes on a plurality of processors of a computer network to accomplish a distributed transaction, each process logging, in a local resource, records of execution of the distributed transaction by the process on its processor;

sending a timing message to be logged to the plurality of cooperative

processes; and

running a search engine on each of the plurality of processors, each search engine retrieving corresponding records of execution in response to a query regarding the distributed transaction,

wherein each search engine generates indices in memory, and stores a portion of the indices onto a storage medium after a specific time period; and the indices in memory and the portion of the indices stored onto the storage medium are merged subsequently.

15. (Original) A method as in claim 14, wherein the query is issued to the processors as a distributed query.

16. (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing debugging of the distributed system.

17. (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing an audit trail of distributed transactions.

18. (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing monitoring of a manufacturing process.

19. (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing monitoring of a business process.

20. (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing application integration.

21. (Original) A method as in claim 14, wherein the query is issued from a client,

further comprising merging in the client the results received from search engines responding to the query.

22. (Original) A method as in claim 21, further comprising applying in the client program rules on the merged results to determine correct operation of the distributed system.

23. (Canceled)

24. (Canceled)

25. (Canceled)

26. (Canceled)